



## M 5.7, WESTERN SAUDI ARABIA

Origin Time: Tue 2009-05-19 17:35:00 UTC Location: 25.36°N 37.76°E Depth: 1 km

## PAGER Version 6

Created: 1 days, 3 hrs after earthquake

## **Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)		*	*	1,805k	55k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

			vithin the map area.				_
<b>Popula</b>	ation Exp	osure	population per ~	1 sq. km from Land	scan 2006 <b>S</b>	elected City Exp	osure
0	5		00 500 ·	1000 5000	10000 M	MI City	Population
36°		37°	38°	- 39°	27°	/ Umm Lajj	33k
2		4	394		1	V Yanbu' al Bahr	200k
		2		11.7	1	V Al Wajh	26k
) /		7	*	IV	Г	V Sultanah	946k
			3		1	V Medina	1,300k
				)	., 1	V Badr Hunayn	27k
	VAI Wajh		4		b	old cities appear on map	(k = x1000)
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		~			26°		
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	La Company		V		10		
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	•				IV E		VIII IX X+ 39° 27°
			VI		~/ III	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	33
		Umm La	ajj	<b>/</b>	25°		
		2:		<b>\</b>		Al Wajh	
\		. /2		<b>X</b>			26°
		W. Sy				A STATE OF THE STA	
	\	100			/odina		
	IV			, N	/ledina		
- Fla	IV			ε	/ledina	Umm Laj	25*
	IV		Wanhu' a	<i>f</i>	/ledina	Umm Lag	
	IV		Yanbu' a	l Bahr	∕ledina 24°	Umm Laj	25° Medina
	IV		Yanbu' a	l Bahr km	24°	Umm Lag	Medina:
	IV		Yanbu' a	l Bahr	24°	Umm Laj Yanbu	Medina

Population exposure estimates are NOT a direct estimate of earthquake damage; comparable shaking will result in significantly lower losses in regions with well built structures than in regions with vulnerable structures.